

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

1

of

9

Complete if Known

Application Number	10/820,679-Conf. #8534
Filing Date	April 8, 2004
First Named Inventor	Ian Hunter
Art Unit	1797
Examiner Name	A. Soderquist
Attorney Docket Number	65689CPDV(43382)

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AA*	US-2004/0191924	09-30-2004	Hunter et al.		
AB*	US-2002/0001544	01-03-2002	Hess et al.		
AC*	US-6,812,030	11-02-2004	Ozbal et al.		
AD*	US-5,427,908	06-27-1995	Dower et al.		
AE*	US-5,580,717	12-03-1996	Dower et al.		
AF*	US-4,663,163	05-05-1987	Hou et al.		
AG*	US-5,585,275	12-17-1996	Hudson et al.		
AH*	US-5,576,220	11-19-1996	Hudson et al.		
AI*	US-6,107,059	08-22-2000	Hart		
AJ*	US-5,242,974	09-07-1993	Holmes		
AK*	US-4,701,304	10-20-1987	Horn et al.		
AL*	US-20040132040-A1	07-08-2004	Hamill		
AM*	US-20040132040-A1	07-08-2004	Hamill		
AN*	US-20040132040-A1	07-08-2004	Hamill		
AO*	US-20030219716	11-27-2003	Aveed et al.		
AP*	US-6,630,835	07-10-2003	Cheng et al.		
AQ*	US-6,844,161	01-18-2005	Siani et al.		
AR*	US-6,576,478	06-10-2003	Wagner et al.		
AS*	US-6,429,025	08-06-2002	Parce et al.		
AT*	US-6,406,859	06-18-2002	Glickman et al.		
AU*	US-2004/0241636	12-02-2004	Michnick et al.		
AV*	US-5,491,083	02-13-2006	Arentzen et al.		

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number-Kind Code ⁴ (if Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁵
BA	WO-99/61152-A1	12-02-1999	MJ Research, Inc.			
BB	WO-2004/074818-A2	09-02-2004	BioTrove, Inc.			
BC	WO-00/51735	09-08-2000	Glaxo Group Ltd et al.			
BD	WO-01/87335	11-22-2001	Lilly Co Eli et al.			
BE	WO-01/38583	05-31-2001	Diversa Corp			
BF	WO-01/61054	08-23-2001	Univ Leland Stanford Junior et al.			

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IWF. *Applicant's unique citation designation number (optional). *See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ²Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ³Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				<i>Complete if Known</i>	
				Application Number	10/820,679-Conf. #8534
				Filing Date	April 8, 2004
				First Named Inventor	Ian Hunter
				Art Unit	1797
				Examiner Name	A. Soderquist
Sheet	2	of	9	Attorney Docket Number	65689CPDV(43382)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AW*	US-2003/0170610	09-11-2003	Cirma et al.		
AX*	US-5,433,975	07-18-1995	Roberts et al.		
AY*	US-5,322,019	06-21-1994	Hyland		
AZ*	US-5,175,209	12-29-1992	Beattie et al.		
AA1*	US-5,722,370	03-03-1998	Kolke et al.		
AB1*	US-6,015,880	01-18-2000	Baldeschwieler et al.		
AC1*	US-6,103,479	08-15-2000	Taylor		
AD1*	US-6,136,592	10-24-2000	Leighton		
AE1*	US-6,309,600	10-30-2001	Hunter		
AF1*	US-2002/0049196	04-25-2002	Carpino et al.		
AG1*	US-5,152,060	10-06-1992	Schubert et al.		
AH1*	US-3,997,396	12-14-1976	Delente		
AI1*	US-5,373,803	12-20-1994	Noguchi et al.		
AJ1*	US-5,906,683	05-25-1999	Chen et al.		
AK1*	US-1,236,137	08-01-1917	Bastow		
AL1*	US-2,745,001	05-01-1956	Guth		
AM1*	US-3,170,980	02-01-1965	Pritchard		
AN1*	US-3,864,512	02-04-1975	Meadow		
AO1*	US-4,110,165	08-29-1978	Cole et al.		

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
BG	WO-00/56456	09-28-2000	Genencor Int		
BH	WO-99/55461	11-04-1999	Corning Inc		
BI	JP-63107057	05-12-1988	Hitachi Ltd		
BJ	WO-97/00941	01-09-1997	Univ Utah Res Found		
BK	WO-97/00943	01-09-1997	Brnl Fluorchem Ltd et al.		
BL	WO-02/87764	11-07-2002	Biotrove Inc		

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 600. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				<i>Complete if Known</i>	
				Application Number	10/820,679-Conf. #8534
				Filing Date	April 8, 2004
				First Named Inventor	Ian Hunter
				Art Unit	1797
				Examiner Name	A. Soderquist
Sheet	3	of	9	Attorney Docket Number	
65689CPDV(43382)					

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AP1*	US-5,382,985	01-17-1995	Becker et al.		
AQ1*	US-3,043,659	07-10-1962	Charles		
AR1*	US-4,007,010	02-08-1977	Woodbridge, III		
AS1*	US-4,065,263	12-27-1977	Woodbridge, III		
AT1*	US-4,273,877	06-16-1981	Anagnostopoulos et al.		
AU1*	US-4,990,459	02-05-1991	Maeda et al.		
AV1*	US-5,009,846	04-23-1991	Gavot et al.		
AW1*	US-5,108,926	04-28-1992	Klebe		
AX1*	US-5,466,583	11-14-1995	Thomson et al.		
AY1*	US-6,083,682	07-04-2000	Campbell et al.		
AZ1*	US-6,514,750	02-04-2003	Bordenkircher et al.		
AA2*	US-6,730,883	05-08-2004	Brown et al.		
AB2*	US-5,710,381	01-20-1998	Atwood et al.		
AC2*	US-5,475,610	12-12-1995	Atwood et al.		
AD2*	US-5,602,756	02-11-1997	Atwood et al.		
AE2*	US-6,737,026	05-18-2004	Bergh et al.		
AF2*	US-4,453,805	06-12-1984	Ashkin et al.		
AG2*	US-4,613,573	09-23-1986	Shibayama et al.		
AH2*	US-4,683,195	07-28-1987	Mullis et al.		
AI2*	US-4,683,202	07-28-1987	Mullis		
AJ2*	US-4,734,192	03-29-1988	Champion et al.		
AK2*	US-4,861,722	08-29-1989	Sano et al.		

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number-Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
BM	WO-02/30561	04-18-2002	Biotrove Inc et al.		
BN	WO-03/02226	01-09-2003	Biotrove Inc		
BO	DE-100 46 224	03-28-2002	Deepe, et al.		
BP	EP-0 236 069	09-09-1987	Cetus Corporation		
BQ	EP-9 402 888	12-19-1990	Behringwerke		
BR	WO-02/78834	10-10-2002	Genospectra, Inc.		

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *CITE NO. Those application(s) which are marked with an single asterisk (*) next to the Cite No are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IWF. *Applicant's unique citation designation number (optional). *See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ¹Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). ²For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. ⁴Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				<i>Complete if Known</i>	
				Application Number	10/820,679-Conf. #8534
				Filing Date	April 8, 2004
				First Named Inventor	Ian Hunter
				Art Unit	1797
				Examiner Name	A. Soderquist
Sheet	4	of	9	Attorney Docket Number	
65689CPDV(43382)					

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AL2*	US-4,893,886	01-16-1990	Ashkin et al.		
AM2*	US-4,932,806	06-12-1990	Eklund et al.		
AN2*	US-4,965,188	10-23-1990	Mullis et al.		
AO2*	US-5,038,852	08-13-1991	Johnson et al.		
AP2*	US-5,100,627	03-31-1992	Bulcan et al.		
AQ2*	US-5,192,980	03-09-1993	Dixon et al.		
AR2*	US-5,219,727	06-15-1993	Wang et al.		
AS2*	US-5,229,163	07-20-1993	Fox		
AT2*	US-5,234,665	08-10-1993	Ohta et al.		
AU2*	US-5,310,652	05-10-1994	Gelfand et al.		
AV2*	US-5,322,770	06-21-1994	Gelfand		
AW2*	US-5,333,675	08-02-1994	Mullis et al.		
AX2*	US-5,407,800	04-18-1995	Gelfand et al.		
AY2*	US-5,411,876	05-02-1995	Bloch et al.		
AZ2*	US-5,455,008	10-03-1995	Earley et al.		
AA3*	US-5,476,744	12-19-1995	Anne et al.		
AB3*	US-5,476,774	12-19-1995	Wang et al.		
AC3*	US-5,492,806	02-20-1996	Drmanac et al.		
AD3*	US-5,504,007	04-02-1996	Haynes		
AE3*	US-5,508,197	04-16-1996	Hansen et al.		
AF3*	US-5,525,464	06-11-1996	Drmanac et al.		
AG3*	US-5,538,848	07-23-1996	Livak et al.		

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
BS	WO-00/01798	01-13-2000	Cartesian Technologies, Inc.		T ⁶
BT	WO-02/26394	04-04-2002	Picoliter Inc.		
BU	WO-02/40158	05-23-2002	Herfurth Laser Technology Ltd		
BV	WO-02/55199	07-18-2002	Sequenom, Inc.		

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(ii)) because that application was filed after June 30, 2003 or is available in the IWF. *Applicant's unique citation designation number (optional). *See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				<i>Complete if Known</i>	
				Application Number	10/820,679-Conf. #8534
				Filing Date	April 8, 2004
				First Named Inventor	Ian Hunter
				Art Unit	1797
				Examiner Name	A. Soderquist
Sheet	5	of	9	Attorney Docket Number	65689CPDV(43382)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)	MM-DD-YYYY		
AH3*	US-5,554,339	09-10-1996	Cozzette et al.		
AI3*	US-5,561,058	10-01-1996	Gelfand et al.		
AJ3*	US-5,561,071	10-01-1996	Hollenberg et al.		
AK3*	US-5,593,839	01-14-1997	Hubbell et al.		
AL3*	US-5,641,391	06-24-1997	Hunter et al.		
AM3*	US-5,656,493	08-12-1997	Mullis et al.		
AN3*	US-5,667,972	09-16-1997	Drimanac et al.		
AO3*	US-5,720,923	02-24-1998	Haff et al.		
AP3*	US-5,780,233	07-14-1998	Guo et al.		
AQ3*	US-5,785,926	07-28-1998	Seubert et al.		
AR3*	US-5,871,908	02-16-1999	Henco et al.		
AS3*	US-5,879,632	03-09-1999	Demers		
AT3*	US-5,897,842	04-27-1999	Dunn et al.		
AU3*	US-5,928,907	07-27-1999	Woudenberg et al.		
AV3*	US-5,942,432	08-24-1999	Smith et al.		
AW3*	US-5,962,316	10-05-1999	Beach et al.		
AX3*	US-5,994,056	11-30-1999	Higuchi		
AY3*	US-6,001,586	12-14-1999	Schellenberger		
AZ3*	US-6,020,141	02-01-2000	Pantoliano et al.		

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY		T ⁶
BW	WO-02/89982		11-14-2002	Massachusetts Institute of Technology	
BX	WO-03/35239		05-01-2003	Sequenom Inc.	
BY	WO-03/42697		05-22-2003	Genospectra, Inc.	
BZ	WO-04/18104		03-04-2004	BioTrove, Inc.	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.96(a)(2)) because that application was filed after June 30, 2003 or is available in the IWF. *Applicant's unique citation designation number (optional). *See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

6

of

9

Complete if Known

Application Number	10/820,679-Conf. #8534
Filing Date	April 8, 2004
First Named Inventor	Ian Hunter
Art Unit	1797
Examiner Name	A. Soderquist
Attorney Docket Number	65689CPDV(43382)

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AA4*	US-5,554,339	09-10-1996	Cozzette et al.		
AB4*	US-5,561,058	10-01-1996	Gelfand et al.		
AC4*	US-5,561,071	10-01-1996	Hollenberg et al.		
AD4*	US-5,593,839	01-14-1997	Hubbell et al.		
AE4*	US-5,641,391	06-24-1997	Hunter et al.		
AF4*	US-5,656,493	08-12-1997	Mullis et al.		
AG4*	US-5,667,972	09-16-1997	Drmancic et al.		
AH4*	US-5,720,923	02-24-1998	Haff et al.		
AI4*	US-5,780,233	07-14-1998	Guo et al.		
AJ4*	US-5,785,926	07-28-1998	Seubert et al.		
AK4*	US-5,871,908	02-16-1999	Henco et al.		
AL4*	US-5,879,632	03-09-1999	Demers		
AM4*	US-5,897,842	04-27-1999	Dunn et al.		
AN4*	US-5,928,907	07-27-1999	Woudenberg et al.		
AO4*	US-5,942,432	08-24-1999	Smith et al.		
AP4*	US-5,962,316	10-05-1999	Beach et al.		
AQ4*	US-5,994,056	11-30-1999	Higuchi		
AR4*	US-6,001,586	12-14-1999	Schellenberger		
AS4*	US-6,020,141	02-01-2000	Pantoliano et al.		
AT4*	US-6,086,825	07-11-2000	Sundberg et al.		
AU4*	US-6,088,100	07-11-2000	Brenan et al.		
AV4*	US-6,090,251	07-18-2000	Sundberg et al.		
AW4*	US-6,103,199	08-15-2000	Bjornson et al.		
AX4*	US-6,136,566	10-24-2000	Sands et al.		
AY4*	US-6,149,815	11-21-2000	Sauter		
AZ4*	US-6,174,670	01-16-2001	Wittwer et al.		
AA5*	US-6,197,563	03-06-2001	Erlich et al.		
AB5*	US-6,235,473-B1	05-22-2001	Friedman et al.		
AC5*	US-6,245,505	06-12-2001	Todd et al.		
AD5*	US-6,251,343	06-26-2001	Dubrow et al.		
AE5*	US-6,271,024	08-07-2001	Sve et al.		
AF5*	US-6,296,702	10-02-2001	Bryning et al.		
AG5*	US-6,284,113	09-04-2001	Bjornson et al.		
AH5*	US-6,312,103-B1	11-06-2001	Haluzak		

Examiner Signature	Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *CITE NO.: Those applications which are listed with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(c)(2)(ii)) because that application was filed after June 30, 2003 or is available in the IFW. *Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

7

of

9

<i>Complete if Known</i>	
Application Number	10/820,679-Conf. #8534
Filing Date	April 8, 2004
First Named Inventor	Ian Hunter
Art Unit	1797
Examiner Name	A. Soderquist
Attorney Docket Number	65689CPDV(43382)

U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ²	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AI5*	US-6,337,435		01-08-2002	Chu et al.	
AJ5*	US-6,353,774-B1		03-05-2002	Goldenberg et al.	
AK5*	US-6,391,559		05-21-2002	Brown et al.	
AL5*	US-6,399,396		06-04-2002	Bass	
AM5*	US-6,399,952		06-04-2002	Maher et al.	
AN5*	US-6,404,166		06-11-2002	Puchian et al.	
AO5*	US-6,410,331		06-25-2002	Schultz et al.	
AP5*	US-6,454,924		09-24-2002	Jedrzejewski et al.	
AQ5*	US-6,485,690		11-26-2002	Pfost et al.	
AR5*	US-6,485,944		11-26-2002	Church et al.	
AS5*	US-6,495,104		12-17-2002	Unno et al.	
AT5*	US-6,503,757		01-07-2003	Chow	
AU5*	US-6,544,737		04-08-2003	Blumenfeld et al.	
AV5*	US-6,572,828		06-03-2003	Potryalio et al.	
AW5*	US-6,579,358		06-17-2003	Delucas et al.	
AX5*	US-6,582,914		06-24-2003	Caldwell et al.	
AY5*	US-6,638,761		10-28-2003	Shin et al.	
AZ5*	US-6,642,000		11-04-2003	Strizhkov et al.	
AA6*	US-6,649,402		11-18-2003	Van der Weide et al.	
AB6*	US-6,664,044		12-16-2003	Sato et al.	
AC6*	US-6,677,151		01-13-2004	Sandell	
AD6*	US-6,682,702		01-27-2004	Barth et al.	
AE6*	US-6,689,323		02-10-2004	Fisher et al.	
AF6*	US-6,703,236		03-09-2004	Atwood	
AG6*	US-6,706,538		03-16-2004	Karg et al.	
AH6*	US-6,821,486		11-23-2004	Akporiaye et al.	
AI6*	US-6,841,663		01-11-2005	Lefkowitz et al.	
AJ6*	US-6,848,462		02-01-2005	Covington et al.	
AK6*	US-6,878,554		04-12-2005	Schermer et al.	
AL6*	US-7,223,363		05-29-2007	McNeely et al.	
AM6*	US-7,300,798		11-27-2007	Perbst et al.	
AN6*	US-20010053334		12-20-2001	Chen et al.	
AO6*	US-20020001546		01-03-2002	Hunter et al.	
AP6*	US-20020003177		01-10-2002	O'Conner et al.	

Examiner Signature	Date Considered

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ²NOTE NO. Those applications which are filed with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(c)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ³Applicant's unique citation designation number (optional). ⁴See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ⁵Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁶For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁷Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁸Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				<i>Complete if Known</i>	
				Application Number	10/820,679-Conf. #8534
				Filing Date	April 8, 2004
				First Named Inventor	Ian Hunter
				Art Unit	1797
				Examiner Name	A. Soderquist
Sheet	8	of	9	Attorney Docket Number	
65689CPDV(43382)					

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (#Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AQ6*	US-20020015994	02-07-2002	Schellenberger et al.		
AR6*	US-20020072096	06-13-2002	O'Keefe et al.		
AS6*	US-20020094533	07-18-2002	Hess et al.		
AT6*	US-20020110900	08-15-2002	Jovanovich et al.		
AU6*	US-20020119578	08-29-2002	Zaffaroni et al.		
AV6*	US-20020151040	10-17-2002	O'Keefe et al.		
AW6*	US-20050130213	06-16-2005	Morrison		
AX6*	US-20030119042	06-26-2003	Franco De Sarabia Rosado et al.		
AY6*	US-20030039585	02-27-2003	Freeman		
AZ6*	US-20030080087	05-01-2003	Stelzle		
AA7*	US-20030108726	06-12-2003	Schembri et al.		
AB7*	US-20030180807	09-25-2003	Hess et al.		
AC7*	US-20030186350	10-02-2003	Newell		
AD7*	US-20030207099	11-06-2003	Gillmor et al.		
AE7*	US-20040037748	02-26-2004	Hasan et al.		
AF7*	US-20040209303	10-21-2004	Martin		
AG7*	US-20040023223	02-05-2004	Thompson et al.		
AH7*	US-20040171166	09-02-2004	Hunter		
AI7*	US-20040191924	09-30-2004	Hunter et al.		
AJ7*	US-20040208792	10-21-2004	Linton et al.		
AK7*	US-20040235005	11-25-2004	Friedlander et al.		
AL7*	US-20060057209	03-16-2006	Chapman et al.		
AM7*	US-20060194108	08-31-2006	Drews et al.		
AN7*	US-20060105433	05-18-2006	Bickmore et al.		

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IWF. *Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must preface the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/820,679-Conf. #8534
(Use as many sheets as necessary)				Filing Date	April 8, 2004
Sheet	9	of	9	First Named Inventor	Ian Hunter
				Art Unit	1797
				Examiner Name	A. Soderquist
				Attorney Docket Number	65689CPDV(43382)

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue numbers(s), publisher, city and/or country where published.			
CA	CRC Handbook of Chemistry and Physics, Ed. Robert C. Weast, Ph.D. 65th Edition. 1984-1985. PPF-20 F-35.				T-
CB	Adlercreutz et al., "Oxygen Supply to Immobilized Cells," <i>European Journal of Applied Microbiology Biotechnology</i> , Vol. 16 pp. 165-170 (1982)				
CC	KANIGAN et al., "Living Chips for Drug Discovery", 3926 Proc. SPIE 172-180 (2000).				
CD	Colin J. BRENAN et al., "A massively parallel microfluidics platform for storage and ultra high throughput screening", 4626 Proc. SPIE 560-69 (2002).				
CE	Sosnowski, Luke, "Manufacturing Methods for High Density Micro-Channel Arrays" (June 2000) (Master's Thesis) (Massachusetts Institute of Technology Dep't of Mechanical Engineering).				
CF	Prescott et al., <i>Microbiology</i> 31, 114-16 (1990)				
CG	J.H. Brown, Charts for Counting Bacterial Colonies, 37 Am. J. Pub. Health Nations Health 206-07 (1947)				
CH	Polokoff et al, Isolation of Somatic Cell Mutants Defective in the Biosynthesis fo Phosphatidylethanolamine, 256 J. Biological Chem. 7687-90 (1981)				
CI	Coleman et al., Phospholipid Synthesis in Isolated Fat Cells, 252 J. Biological Chem. 3050-56 (1977)				
CJ	Colin S. Cooper, Applications of microarray technology in breast cancer research, 3(3) Breast Cancer Res. 158-75 (2001).				
CK	Elizabeth Zubritsky, Spotting a microarray system, 4(5) Modern Drug Discovery 59 (May 2001)				
CL	de Macario et al., Chemical Abstr. 67622t (1985)				
CM	de Macario et al., 121 Methods in Enzymology 509-25 (1986)				
CN	de Macario et al., Adaptation of the Slide Immunoenzymatic Assay for Quantification of DNA Hybridization: SIA-DNA, 8 Biotechniques 210-17 (1990).				
CO	L.J. Kricka & P. Wilding, Microchip PCR, 377 Anal. Bioanal. Chem. 820-25 (2003).				
CP	A.F.R. Huhmer & J.P. Landers, Noncontact Infrared-Mediated Thermocycling for Effective Polymerase Chain Reaction Amplification of DNA in Nanoliter Volumes, 72 Anal. Chem. 5507-12 (2000).				
CQ	Martin A. Shoffner et al. Chip PCR. I. Surface passivation of microfabricated silicon-glass chips for PCR, 24(2) Nucleic Acids Research 375-79 (1996).				
CR	Da-Sheeng Lee et al., A novel real-time PCR machine with a miniature spectrometer for fluorescence sensing in a micro liter volume glass capillary, 100 Sensors and Actuators B 401-10 (2004).				
CS	Tian-Lu CHENG et al., "Membrane-Tethered Proteins for Basic Research, Imaging and Therapy", Medical Research Reviews (May 14, 2008).				

Examiner Signature	Date Considered
--------------------	-----------------

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

²Applicant's unique citation designation number (optional). ³Applicant is to place a check mark here if English language Translation is attached.